



1.0-3.5t (Gasoline,LPG)
R series Internal Combustion Forklift

EP EQUIPMENT CO.,LTD.
www.ep-ep.com



APPEARANCE

The latest appearance design method was used to create the R series fluent and aesthetic outline, that matches the latest appearance trend.

The large engineering plastic covering enables the whole truck looks friendly and natural.

EFFICIENCY

Thanks to the long wheelbase design, the longitudinal stability of whole truck is much better, the hoisting capacity at same lift height are enhanced by an average of 100kg compared with former truck. At the same time, it prolongs work time of rear wheel as the reduced rear axle's load.

The travel speed of truck has been raised, for example, the 2-2.5t type comes to 20km/h.

Increasing the hard proportion of hydraulic pipe, adopting right angle connector or straight through connector, that reduce the pressure loss of pipeline, and raise the lifting speed of mast, the speed is increased by an average of 10% compared with former truck.

Turning radius and width of right angle stacking aisle are decreased through reducing the dimensions of whole truck, that raise the efficiency of storehouse.



CLEAN

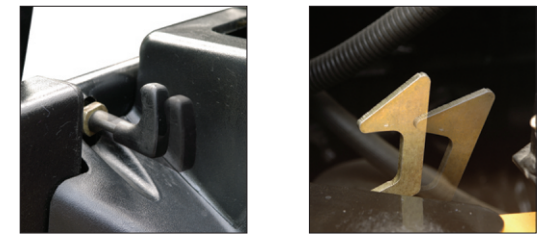
The environment friendly engines all meet EU stage-II emission control regulation. The noise emission also comes up to EU standard.

The Metal hood and molding sound insulation matches environmental protection demands.

SAFE

A throttling device is set in pipe system, the mast won't result in failing control of mast even some pipes broke.

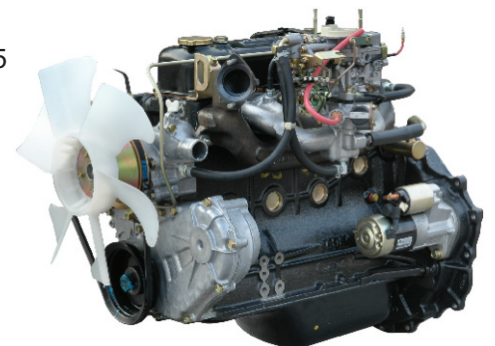
By using a built-in hood lock device, the safe level of the truck has been raised.



WANFENG 491GP
Displacement
2237 cc
Rated output:
41 Kw/2800rpm
Rated torque:
161 Nm/2000rpm

NISSAN K25

Displacement
2488 cc
Rated output:
37.4 Kw/2300rpm
Rated torque:
176.5 Nm/1600rpm



R series 1.0-3.5t Gasoline forklift specification

General	1 Manufacturer		EP																
	2 Basic model		CPQD10N			CPQD15N			CPQD18N										
	3 Type		RW21		RW21	RW7	RW21		RW7	RW21		RW7							
	4 Power type		Gasoline			Gasoline			Gasoline			Gasoline							
Characteristics & Dimensions	5 Rated capacity		kg		1000			1500			1750			2000					
	6 Load center		mm		500			500			500			500					
	7 Lifting height		mm		3000			3000			3000			3000					
	8 Free lifting height		mm		155			155			155			150					
	9 Fork size		L×W×T		mm 920×100×35			920×100×35			920×100×35			1070×122×40					
	10 Mast tilt range		F/R		Deg 6/12			6/12			6/12			6/12					
	11 Fork overhang(wheel center to fork face)		mm		405			405			408			475					
	12 Rear overhang		mm		420			460			495			480					
	Overall Dimensions		13 length (to fork face)		mm		2225			2265			2300			2530			
			14 Overall width		mm		1080			1080			1080			1155			
15 Mast lowered height			mm		1995			1995			1995			1985					
16 Mast extended height			mm		3960			3960			3960			4045					
Turning radius(outside)		17 Overhead guard height		mm		2130(2190*)			2130(2190*)			2130(2190*)			2140(2200*)				
		18		mm		1925			1970			2005			2175				
Performance		19 Min.right angle stacking aisle width (Add load length and clearance)		mm		2330			2375			2410			2650				
		speed		20 Travel(Laden)		km/h		15			15			23			22.5		
				21 Lifting(Laden)		mm/s		500			500			510			560		
				22 Lowering(Laden)		mm/s		450			450			450			500		
		23 Max.Drawbar pull		Laden		N		20500			20500			23600			20500		
		24 Max.Gradeability		(Laden)		%		20			20			20			20		
		Tyre		25 Front		mm		6.50-10-10PR			6.50-10-10PR			6.50-10-10PR			7.00-12-12PR		
				26 Rear		mm		5.00-8-10PR			5.00-8-10PR			5.00-8-10PR			6.00-9-10PR		
		Tread		27 Front		mm		890			890			890			965		
				28 Rear		mm		900			900			900			970.5		
wheelbase		29		mm		1400			1400			1400			1650				
		30 lowest		mm		115			115			115			105				
Ground clearance		31 wheelbase center		mm		145			145			145			150				
		32 Self weight		kg		2450			2740			2880			3440				
Power & Transmission		33 Weight distribution		laden (front/rear)		2940/510			3690/550			4075/605			4815/625				
		34 unladen (front/rear)		mm		1290/1160			1220/1520			1190/1740			1640/1800				
		35 Battery		Voltage/Capacity(20HR)		12/60		12/60			12/60			12/60			12/60		
		Engine		36 Model				K21			K21			491GP			K21		
				37 Manufacturer				NISSAN			NISSAN			WANFENG			NISSAN		
				38 Rated output/r.p.m.		kw		31.2/2250			31.2/2250			41/2800			31.2/2250		
				39 Rated torque/r.p.m.		N.m		143.7/1600			143.7/1600			161/2000			143.7/1600		
		40		40 No.of cylinder				4			4			4			4		
				42 Bore×Stroke		mm		89×83			89×83			91×86			89×83		
				43 Displacement		cc		2065			2065			2237			2065		
44 Fuel tank capacity				L		50			50			50			60				
45 Transmissions		45 Manufacture				CHINA			CHINA			CHINA			CHINA				
		46 Type				Powershift			Powershift			Powershift			Powershift				
		47 Stage				1/1			1/1			1/1			1/1				
48 Operating pressure for attachment		Mpa		14.5			14.5			14.5			17.5						

Note: *with suspension seat or cabin
 1.Special lifting height available(2-stage mast:2.5m,2.7m,3.0m,3.3m,3.6m,4m,4.5m.3-stage mast:4.3m,4.5m,4.8m,5m,5.5m,6m)
 2.Attachment available
 3.The specification in the table are for standard models only.For further information please contact us
 4. Specification are subject to change without notice

1.0 ~ 1.8t R series mast: (pneumatic)

Type	Model	Max. fork height	Overall height				Free lift		Front Overhang		Tilt range		Capacity					
			Lowered		Extended		Without backrest	With backrest	1/1.5t	1.75t	FWD	BWD	Load capacity at 500 mm					
			Without backrest	With backrest	Single tire								Double tire					
					mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Wide view mast	R15 / 18M200	2000	1495	2585	2955	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M250	2500	1745	3085	3455	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M270	2700	1845	3285	3655	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M300	3000	1995	3585	3955	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M330	3300	2145	3885	4255	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M350	3500	2245	4085	4455	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M360	3600	2345	4185	4555	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M400	4000	2595	4585	4955	155	155	405	408	6	12	950	1400	1650	1000	1500	1750	
	R15 / 18M430	4300	2745	4885	5255	155	155	405	408	6	6	900	1300	1550	950	1400	1650	
Wide view full free 2-stage mast	R15 / 18M450	4500	2845	5085	5455	155	155	405	408	6	6	850	1250	1450	900	1350	1550	
	N15 / 18U250	2500	1760	3105	3455	1095	815	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U270	2700	1860	3305	3655	1195	915	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U300	3000	2010	3605	3955	1395	1055	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U330	3300	2160	3905	4255	1545	1215	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U360	3600	2310	4205	4555	1695	1365	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U400	4000	2560	4605	4955	1865	1615	428	431	6	12	950	1400	1650	1000	1500	1750	
	N15 / 18N430	4300	2110	5070	5255	1350	1165	445	448	6	6	850	1250	1450	900	1350	1550	
	N15 / 18N450	4500	2120	5130	5465	1510	1175	445	448	6	6	800	1200	1350	850	1300	1450	
Wide view full free 3-stage mast	N15 / 18N480	4800	2235	5445	5755	1600	1290	445	448	6	6	750	1100	1250	800	1200	1350	
	N15 / 18N500	5000	2285	5605	5955	1690	1340	445	448	6	6	700	1050	1150	750	1150	1250	
	N15 / 18N550	5500	2460	6120	6455	1850	1515	445	448	3	6	/	/	/	600	950	1050	
	N15 / 18N600	6000	2685	6695	6955	2000	1740	445	448	3	6	/	/	/	450	750	850	

With sideshifter minus 150Kg, with integral sideshifter minus 100Kg.

2.0 / 2.5t R series mast: (pneumatic)

Type	Model	Max. fork height	Overall height				Free lift		Front Overhang		Tilt range		Capacity			
			Lowered		Extended		Without backrest	With backrest	FWD	BWD	Load capacity at 500 mm					
			Without backrest	With backrest	Single tire						Double tire					
					mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Wide view mast	R25M250	2500	1735	3125	3545	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M270	2700	1835	3325	3745	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M300	3000	1985	3625	4045	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M330	3300	2135	3925	4345	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M350	3500	2235	4125	4545	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M360	3600	2335	4225	4645	150	150	475	475	6	12	2000	2500	2000	2500	
	R25M400	4000	2585	4625	5045	150	150	475	475	6	12	1900	2300	2000	2500	
	R25M430	4300	2735	4925	5345	150	150	475	475	6	6	1800	2100	1950	2450	
	R25M450	4500	2835	5125	5545	150	150	475	475	6	6	1700	2000	1900	2400	
Wide view full free 2-stage mast	R25M480	4800	2985	5425	5845	150	150	475	475	6	6	1500	1700	1700	2100	
	R25M500	5000	3085	5625	6045	150	150	475	475	6	6	1400	1600	1600	2000	
	N25U250	2500	1795	3152	3545	1143	750	470	470	6	12	2000	2500	2000	2500	
	N25U270	2700	1895	3352	3745	1243	850	470	470	6	12	2000	2500	2000	2500	
	N25U300	3000	1995	3652	4045	1343	950	470	470	6	12	2000	2500	2000	2500	
	N25U330	3300	2145	3952	4345	1493	1100	470	470	6	12	2000	2500	2000	2500	
	N25U360	3600	2295	4252	4645	1643	1250	470	470	6	12	2000	2500	2000	2500	
	N25U400	4000	2545	4652	5045	1893	1500	470	470	6	12	1900	2300	2000	2500	
	N25N430	4300	2040	4992	5355	1358	995	485	485	6	6	1700	2000	1900	2400	
Wide view full free 3-stage mast	N25N450	4500	2110	5242	5605	1428	1065	485	485	6	6	1600	1900	1800	2300	
	N25N480	4800	2210	5492	5855	1528	1165	485	485	6	6	1500	1700	1700	2100	
	N25N500	5000	2275	5692	6055											

